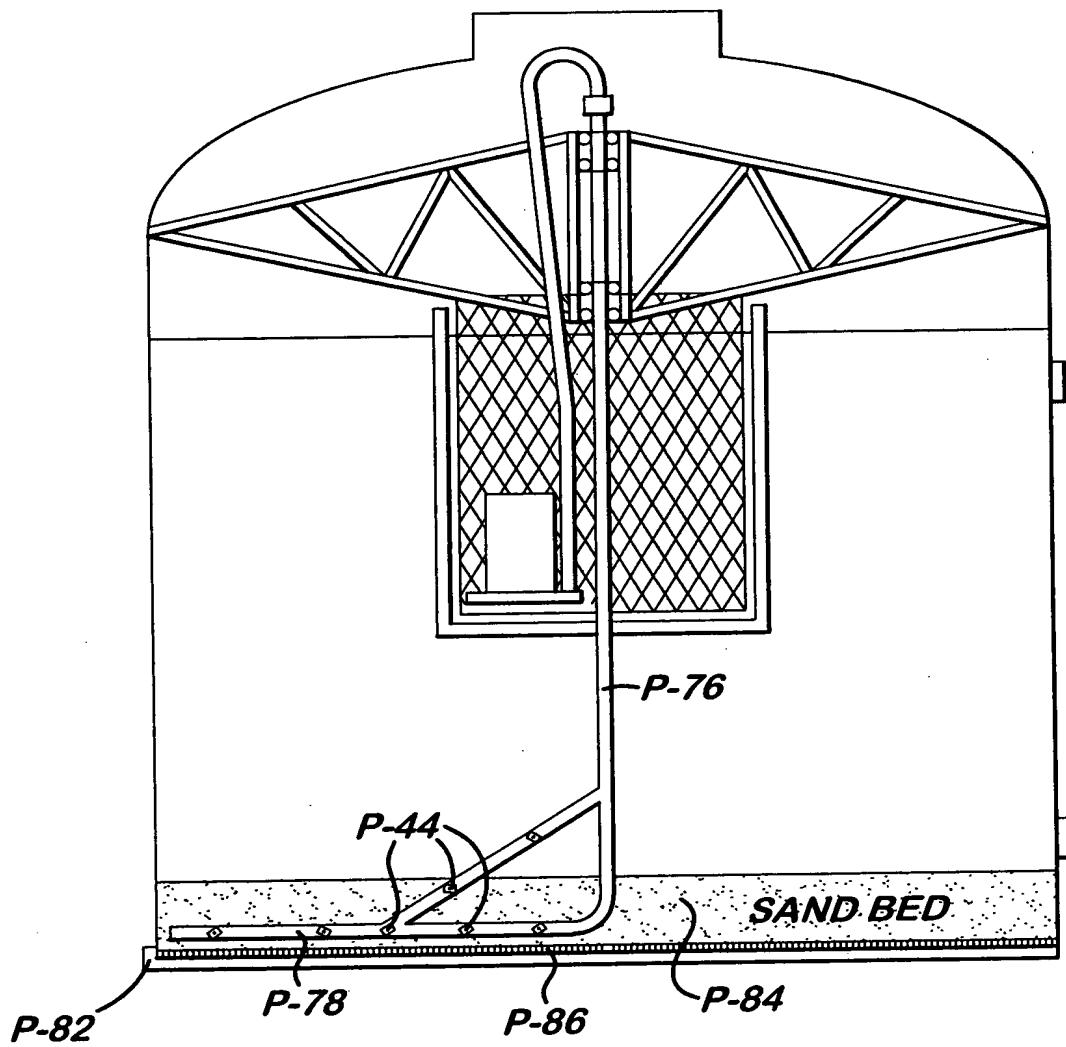
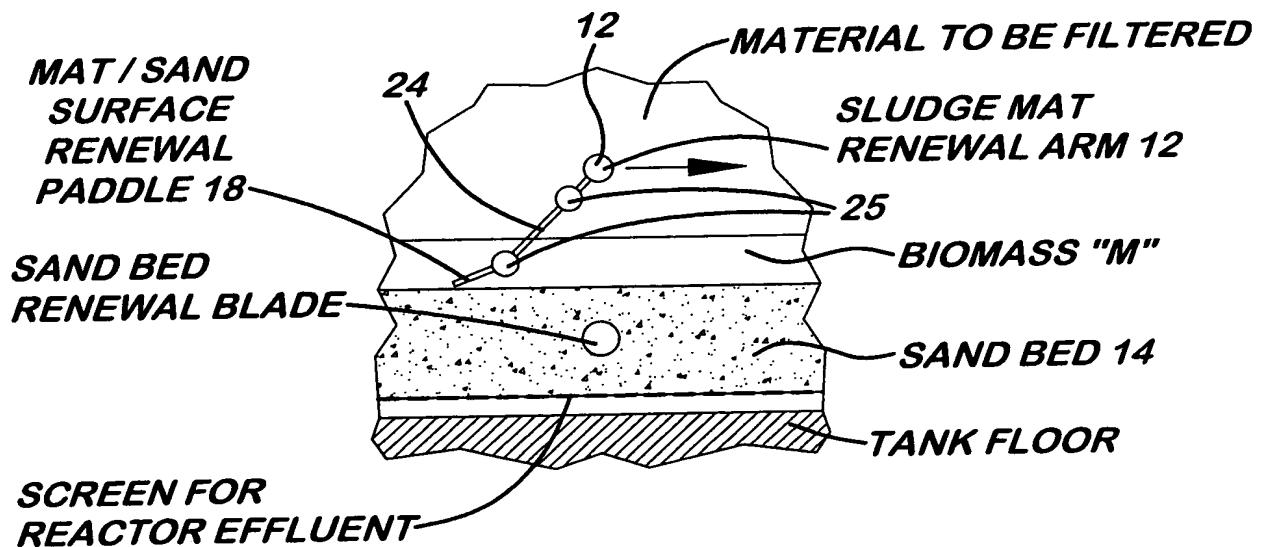
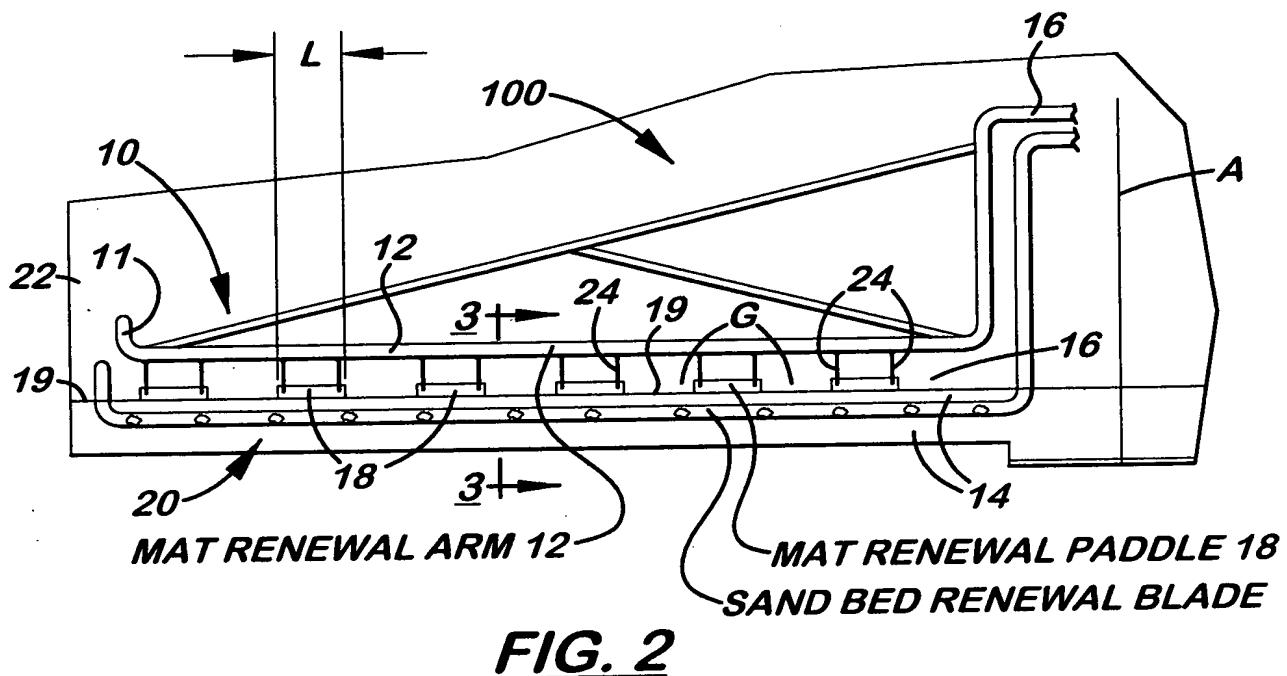




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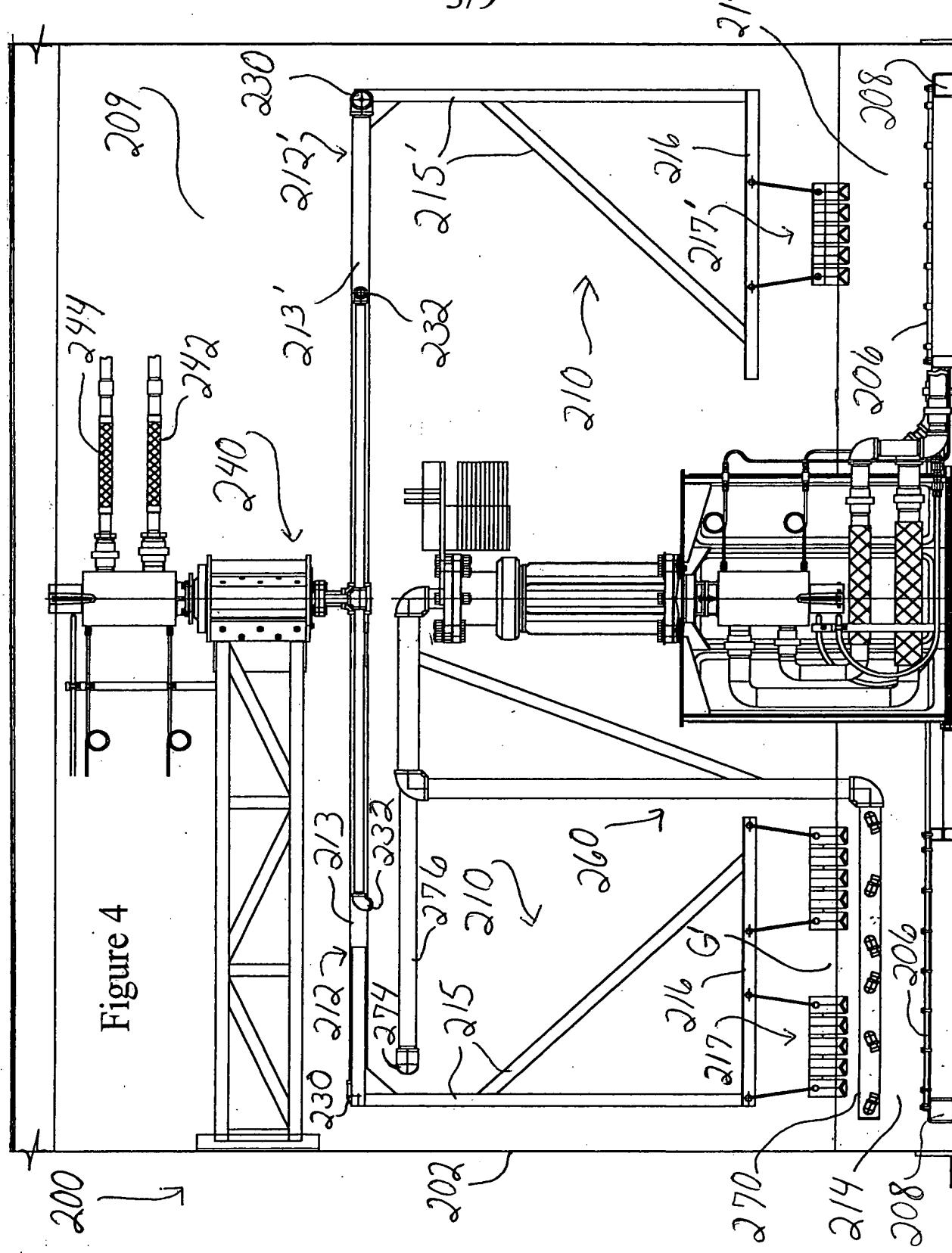


**FIG. 1**  
**(PRIOR ART)**





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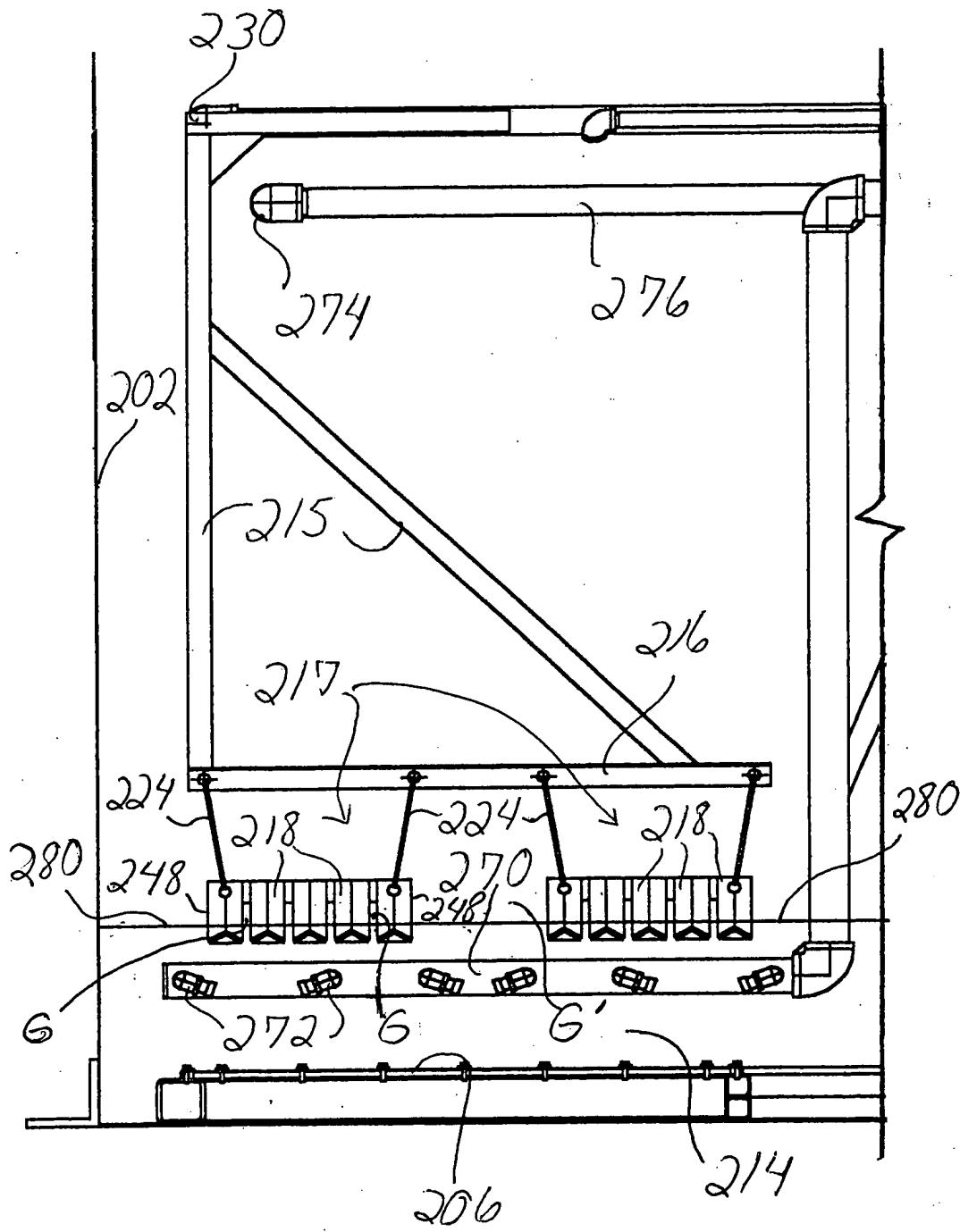


Figure 5



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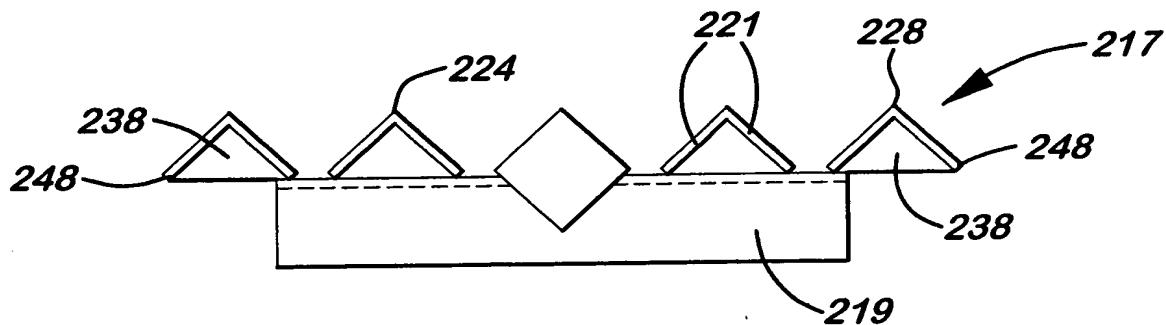


FIG. 7

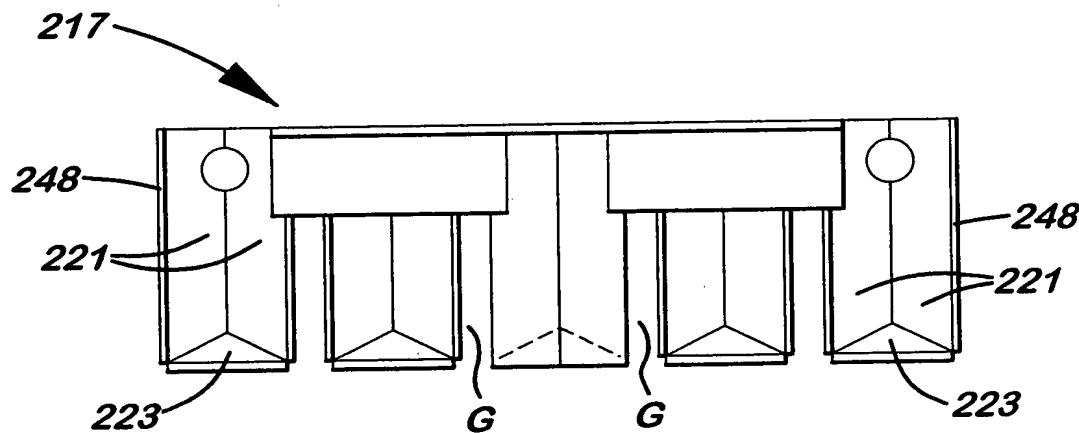


FIG. 6

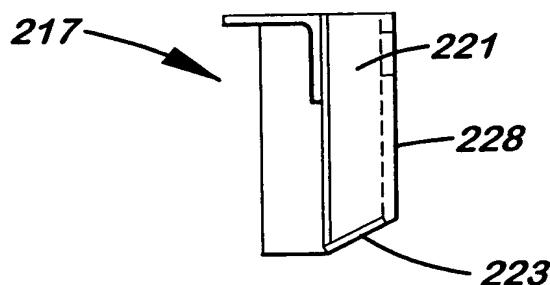


FIG. 8



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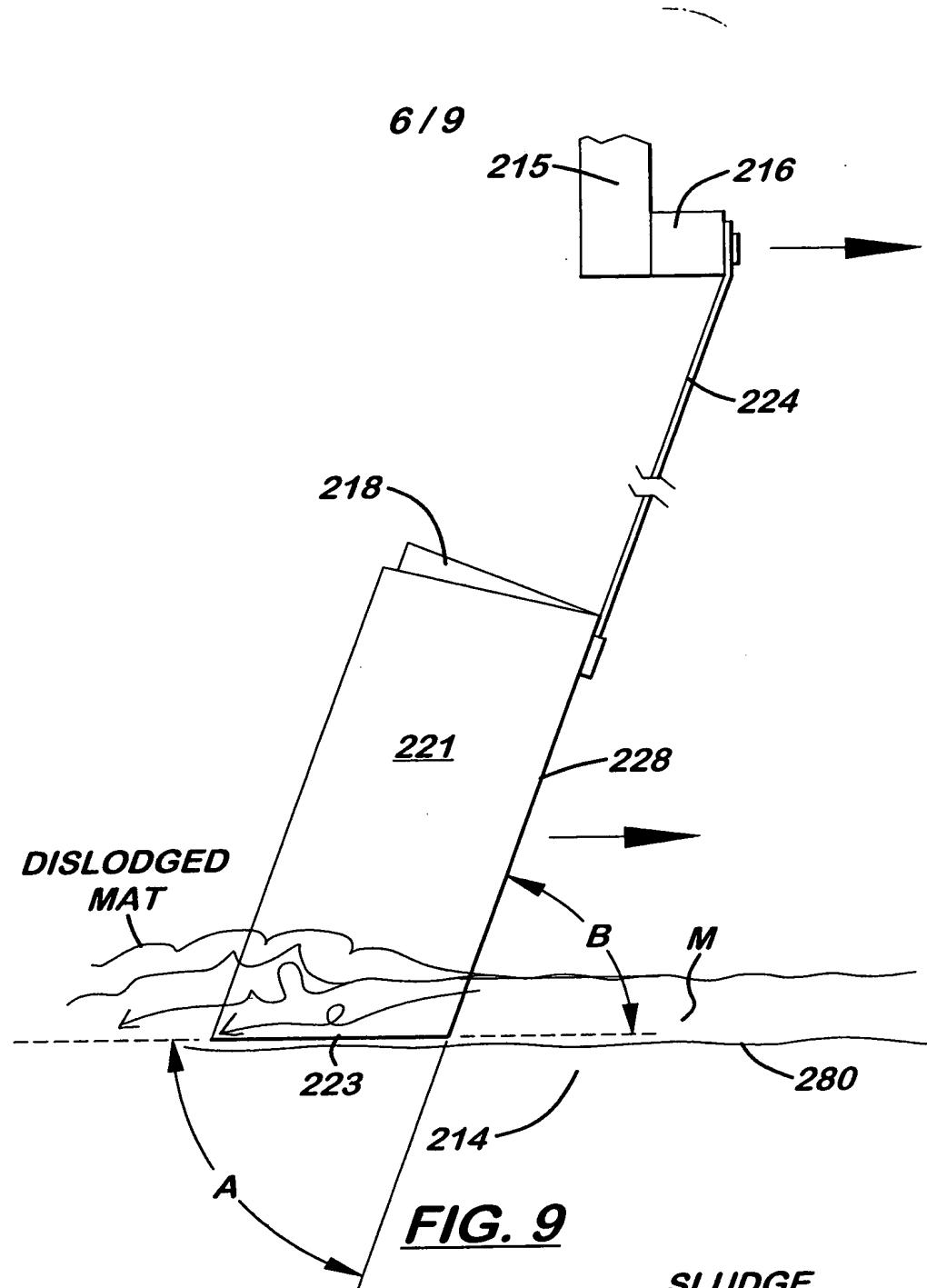


FIG. 9

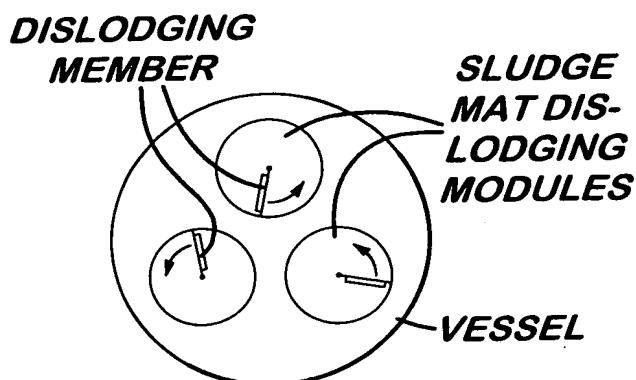
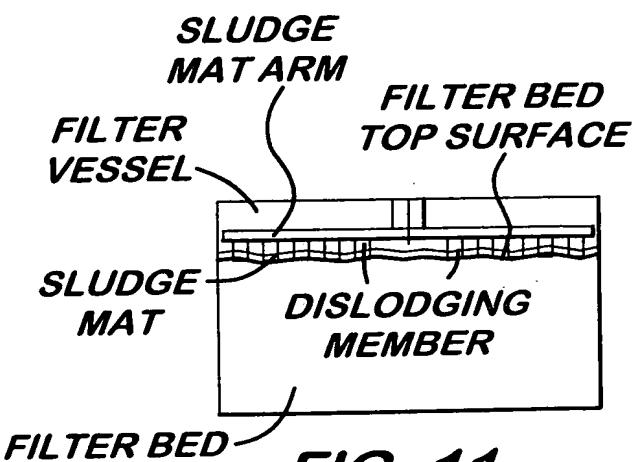


FIG. 10



***FILTER BED*** **FIG. 11**



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### A Comparison of Flow Performance with and w/o Rake Invention

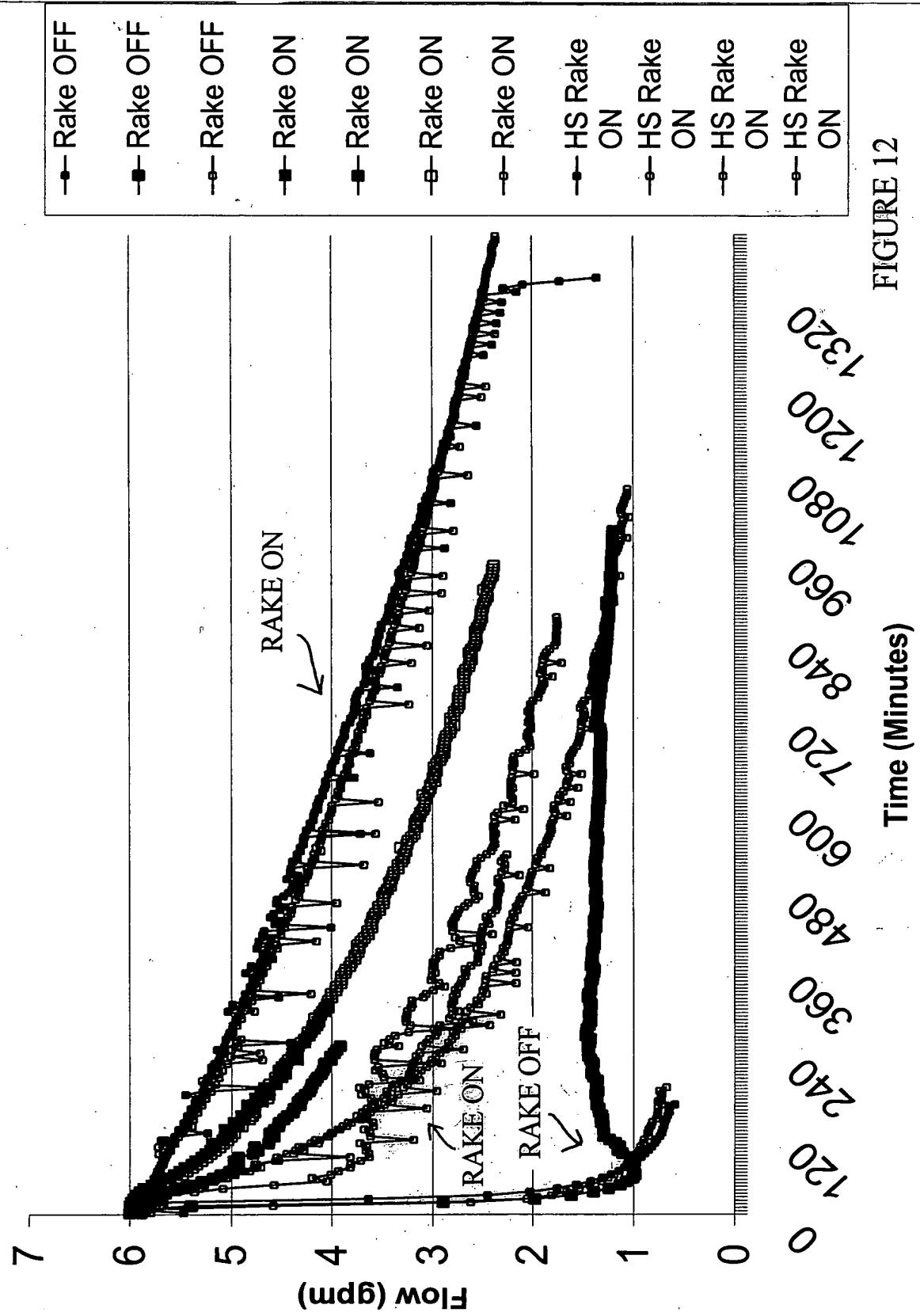


FIGURE 12



A Comparison of Flow Performance with and w/o Rake Invention  
(4 Hour Interval)

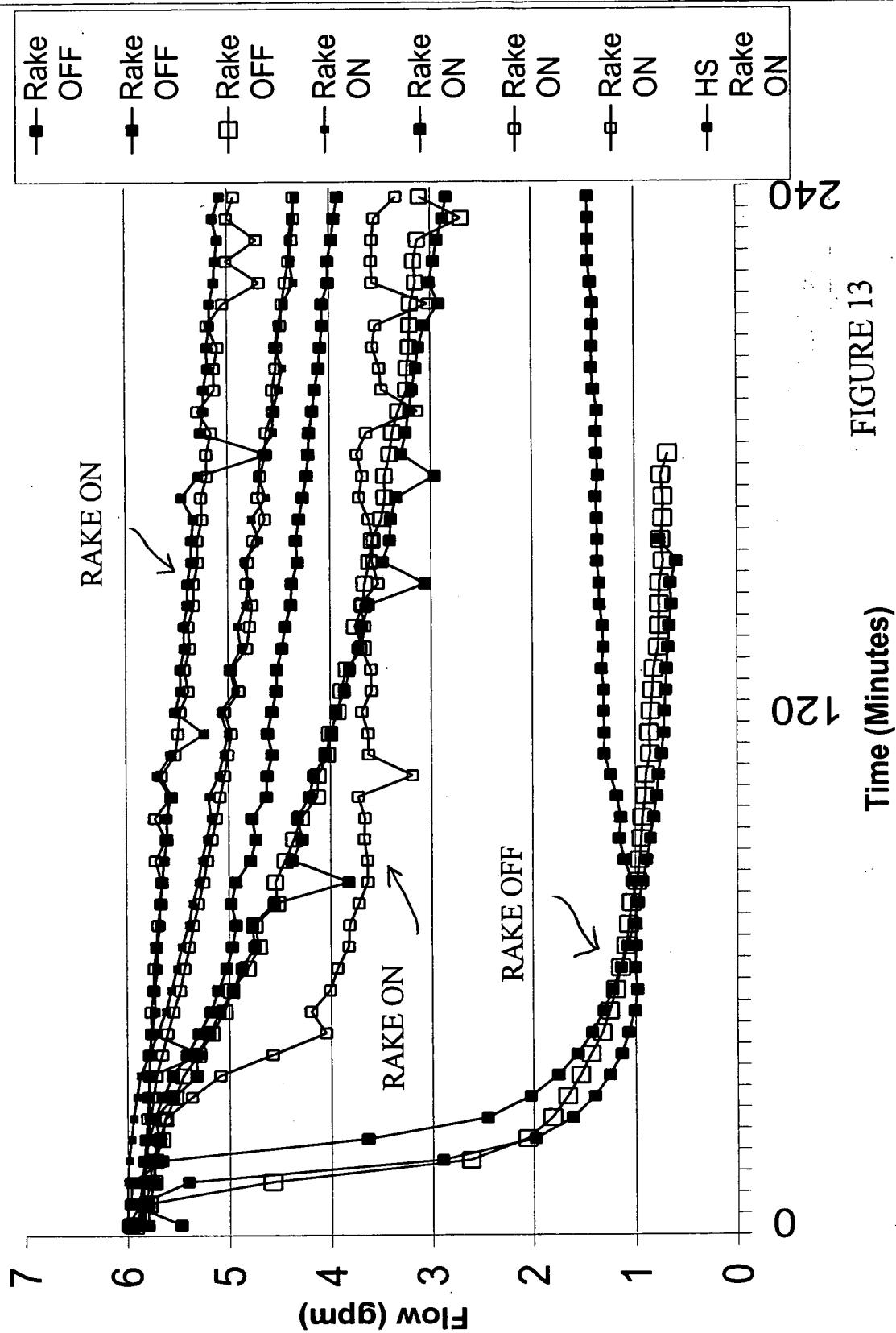
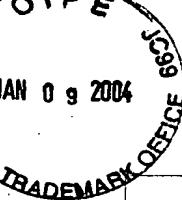


FIGURE 13



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## Continuous Operation @ Various Underdrain Capacities

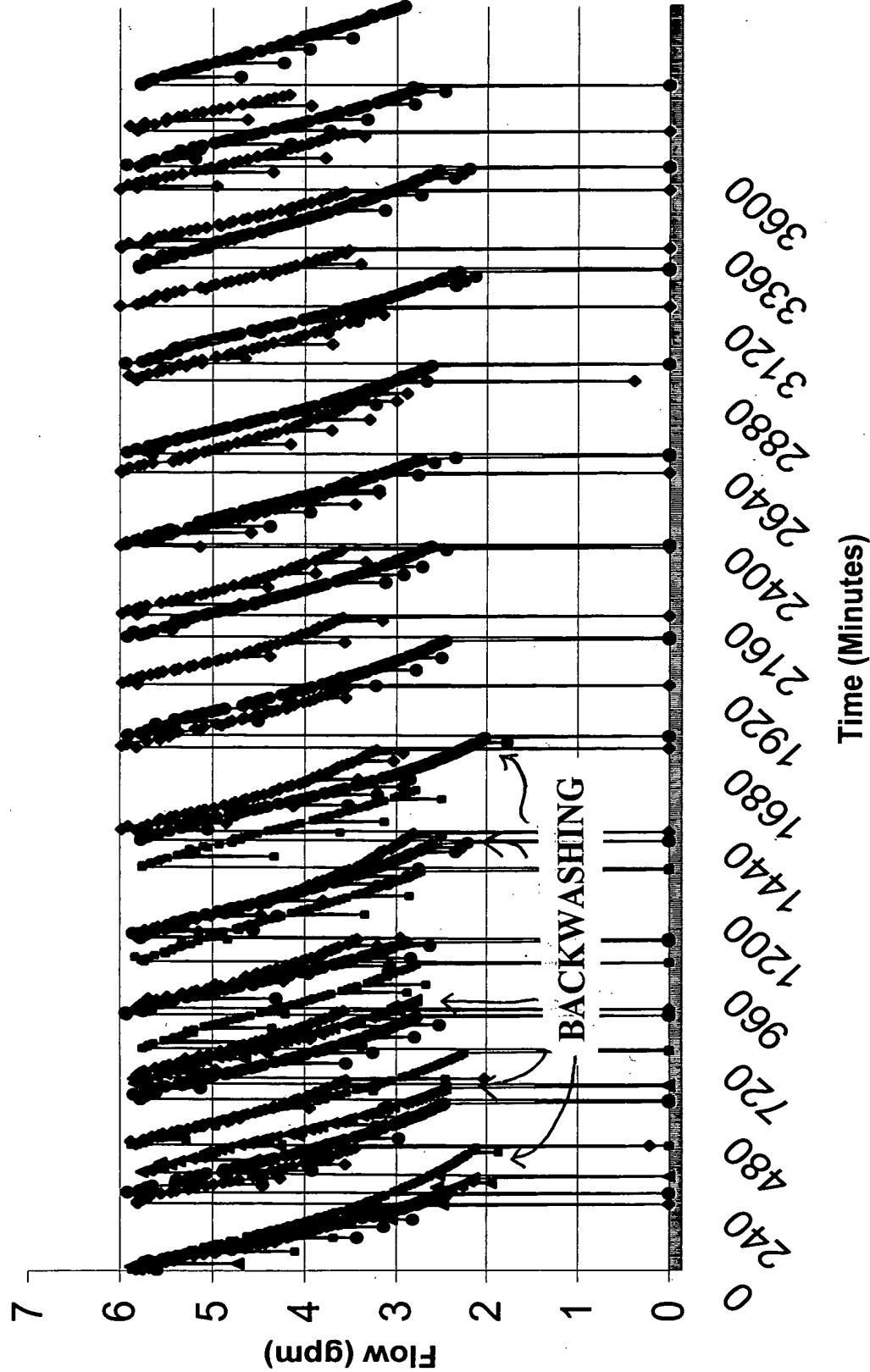


FIGURE 14

- 100% Open Underdrain
- ▲— 40% Open Underdrain